

Dividiere die Brüche und wandle in einen gemischten Bruch um, falls möglich:

① a)  $\frac{20}{41} : \frac{2}{5} =$

b)  $\frac{4}{35} : \frac{1}{7} =$

c)  $\frac{7}{9} : \frac{11}{12} =$

d)  $\frac{2}{13} : \frac{2}{19} =$

② a)  $\frac{3}{4} : \frac{9}{17} =$

b)  $\frac{1}{45} : \frac{1}{21} =$

c)  $\frac{1}{2} : \frac{7}{20} =$

d)  $\frac{4}{11} : \frac{2}{15} =$

③ a)  $\frac{3}{29} : \frac{3}{17} =$

b)  $\frac{4}{7} : \frac{6}{25} =$

c)  $\frac{2}{19} : \frac{2}{23} =$

d)  $\frac{2}{3} : \frac{23}{33} =$

④ a)  $\frac{2}{5} : \frac{16}{37} =$

b)  $\frac{3}{8} : \frac{3}{13} =$

c)  $\frac{3}{14} : \frac{5}{32} =$

d)  $\frac{5}{38} : \frac{1}{2} =$

⑤ a)  $\frac{4}{19} : \frac{4}{5} =$

b)  $\frac{10}{29} : \frac{2}{7} =$

c)  $\frac{8}{21} : \frac{1}{3} =$

d)  $\frac{5}{14} : \frac{7}{8} =$

Dividiere die Brüche und wandle in einen gemischten Bruch um, falls möglich:

- ① a)  $\frac{20}{41} : \frac{2}{5} = \frac{20}{41} \cdot \frac{5}{2} = \frac{10 \cdot 5}{41 \cdot 1} = 1 \frac{9}{41}$       b)  $\frac{4}{35} : \frac{1}{7} = \frac{4}{35} \cdot \frac{7}{1} = \frac{4 \cdot 1}{5 \cdot 1} = \frac{4}{5}$
- c)  $\frac{7}{9} : \frac{11}{12} = \frac{7}{9} \cdot \frac{12}{11} = \frac{7 \cdot 4}{3 \cdot 11} = \frac{28}{33}$       d)  $\frac{2}{13} : \frac{2}{19} = \frac{2}{13} \cdot \frac{19}{2} = \frac{1 \cdot 19}{13 \cdot 1} = 1 \frac{6}{13}$
- ② a)  $\frac{3}{4} : \frac{9}{17} = \frac{3}{4} \cdot \frac{17}{9} = \frac{1 \cdot 17}{4 \cdot 3} = 1 \frac{5}{12}$       b)  $\frac{1}{45} : \frac{1}{21} = \frac{1}{45} \cdot \frac{21}{1} = \frac{1 \cdot 7}{15 \cdot 1} = \frac{7}{15}$
- c)  $\frac{1}{2} : \frac{7}{20} = \frac{1}{2} \cdot \frac{20}{7} = \frac{1 \cdot 10}{1 \cdot 7} = 1 \frac{3}{7}$       d)  $\frac{4}{11} : \frac{2}{15} = \frac{4}{11} \cdot \frac{15}{2} = \frac{2 \cdot 15}{11 \cdot 1} = 2 \frac{8}{11}$
- ③ a)  $\frac{3}{29} : \frac{3}{17} = \frac{3}{29} \cdot \frac{17}{3} = \frac{1 \cdot 17}{29 \cdot 1} = \frac{17}{29}$       b)  $\frac{4}{7} : \frac{6}{25} = \frac{4}{7} \cdot \frac{25}{6} = \frac{2 \cdot 25}{7 \cdot 3} = 2 \frac{8}{21}$
- c)  $\frac{2}{19} : \frac{2}{23} = \frac{2}{19} \cdot \frac{23}{2} = \frac{1 \cdot 23}{19 \cdot 1} = 1 \frac{4}{19}$       d)  $\frac{2}{3} : \frac{23}{33} = \frac{2}{3} \cdot \frac{33}{23} = \frac{2 \cdot 11}{1 \cdot 23} = \frac{22}{23}$
- ④ a)  $\frac{2}{5} : \frac{16}{37} = \frac{2}{5} \cdot \frac{37}{16} = \frac{1 \cdot 37}{5 \cdot 8} = \frac{37}{40}$       b)  $\frac{3}{8} : \frac{3}{13} = \frac{3}{8} \cdot \frac{13}{3} = \frac{1 \cdot 13}{8 \cdot 1} = 1 \frac{5}{8}$
- c)  $\frac{3}{14} : \frac{5}{32} = \frac{3}{14} \cdot \frac{32}{5} = \frac{3 \cdot 16}{7 \cdot 5} = 1 \frac{13}{35}$       d)  $\frac{5}{38} : \frac{1}{2} = \frac{5}{38} \cdot \frac{2}{1} = \frac{5 \cdot 1}{19 \cdot 1} = \frac{5}{19}$
- ⑤ a)  $\frac{4}{19} : \frac{4}{5} = \frac{4}{19} \cdot \frac{5}{4} = \frac{1 \cdot 5}{19 \cdot 1} = \frac{5}{19}$       b)  $\frac{10}{29} : \frac{2}{7} = \frac{10}{29} \cdot \frac{7}{2} = \frac{5 \cdot 7}{29 \cdot 1} = 1 \frac{6}{29}$
- c)  $\frac{8}{21} : \frac{1}{3} = \frac{8}{21} \cdot \frac{3}{1} = \frac{8 \cdot 1}{7 \cdot 1} = 1 \frac{1}{7}$       d)  $\frac{5}{14} : \frac{7}{8} = \frac{5}{14} \cdot \frac{8}{7} = \frac{5 \cdot 4}{7 \cdot 7} = \frac{20}{49}$